

PROCEEDINGS OF SPIE

***Micro- and Nanotechnology:
Materials, Processes, Packaging,
and Systems IV***

**Jung-Chih Chiao
Alex J. Hariz
David V. Thiel
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Editors

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Introduction

This Micro- and Nanotechnology: Materials, Processes, Packaging, and Systems Conference is part of the SPIE 2008 Smart Materials, Nano- and Micro- Smart Systems Symposium held at the Royal Melbourne Institute of Technology (RMIT), Melbourne, Australia. Four other parallel conferences held as part of this symposium are (i) Smart Materials, (ii) Smart Structures, Devices, and Systems, (iii) Biomedical Applications of Micro-and Nanoengineering, and (iv) Complexity and Nonlinear Dynamics conferences.

The papers in this proceedings volume represent some of the latest research issues in the fabrication and process technologies for smart materials, smart structures, microelectronics, nano-electronics, MEMS, micromachined devices, photonic devices, optoelectronics, microfluidics and biomedical devices.

In order to comply with the requirements of some institutions, the full manuscripts herein were peer reviewed by the international conference program committee and editors. Review was judged on the basis of originality, substance, technical quality, and significance. The review outcomes have been provided individually to the authors.

Our thanks and gratitude go to the members of the program committee for taking time to participate in the review of manuscripts process. We are infinitely grateful to the local organizing team led by Dr. Arnan Mitchell of RMIT who provided excellent facilities and support for the symposium, and who were so generous in accommodating the needs of the delegates.

A big thanks to the symposium Chairs, Arnan Mitchell, (RMIT Univ.) and Min Gu, (Swinburne Univ. of Technology) for their splendid work. A special thanks to our program committee for their support and labours; and the SPIE staff for their hard work.

Finally, our appreciation must go to the authors for sharing their work, the attendees for their stimulating questions, and both the authors and attendees for their enthusiasm. The resulting interaction made this a most productive and enjoyable conference.

**Jung-Chih Chiao
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